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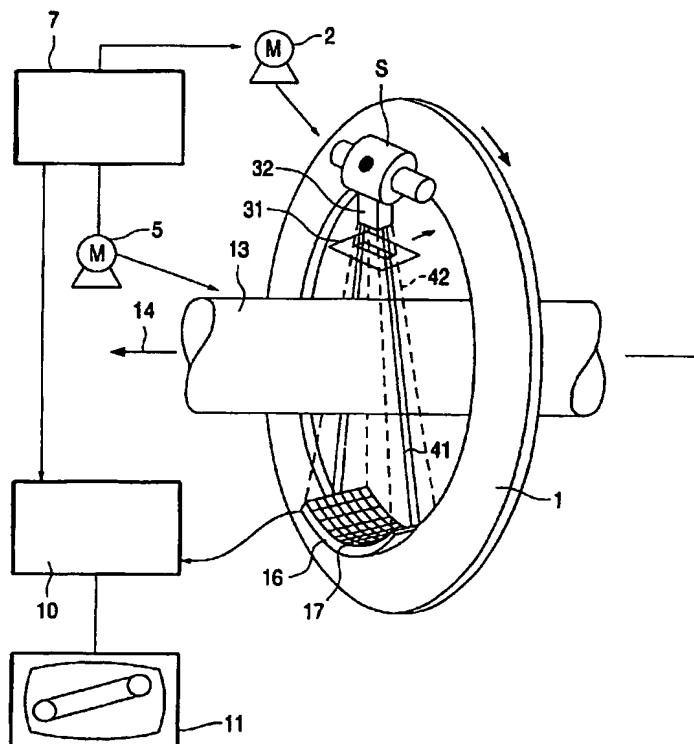
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- (54) Title: COMPUTED TOMOGRAPHY DEVICE AND METHOD WITH THREE-DIMENSIONAL BACKPROJECTION**



**(57) Abstract:** The invention relates to a computed tomography method in which an examination zone is irradiated along a circular trajectory by a fan-shaped radiation beam. Radiation coherently scattered in the examination zone is measured by a detector unit, the variation in space of the scatter intensity in the examination zone being reconstructed from said measuring values. Reconstruction is performed by back projection in a volume which is defined by two linearly independent vectors of the rotational plane and a wave vector transfer.



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